

=> d hist full

(FILE 'HOME' ENTERED AT 08:32:46 ON 08 JAN 2008)

FILE 'REGISTRY' ENTERED AT 08:33:00 ON 08 JAN 2008

```

      SET LINE 250
      SET DETAIL OFF
      E "PHENYLALANINE"/CN 25
      SET NOTICE 1000 SEARCH
L1      2 SEA ABB=ON PLU=ON PHENYLALANINE/CN
      SET NOTICE 1 DISPLAY
      SET LINE LOGIN
      SET DETAIL LOGIN
      DIS L1 1 IDE
      DIS L1 2 IDE
      SET NOTICE LOGIN DISPLAY
      SET NOTICE LOGIN SEARCH
      SET LINE 250
      SET DETAIL OFF
      E "PHENYLALANINE DEHYDROGENASE"/CN 25
      SET NOTICE 1000 SEARCH
L2      1 SEA ABB=ON PLU=ON "PHENYLALANINE DEHYDROGENASE"/CN
      SET NOTICE 1 DISPLAY
      SET LINE LOGIN
      SET DETAIL LOGIN
      DIS L2 1 IDE
      SET NOTICE LOGIN DISPLAY
      SET NOTICE LOGIN SEARCH
      SEL L1 CHEM
```

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 08:36:29 ON 08 JAN 2008  
SEA E1-43 (S) (BLOOD OR SERUM OR PLASMA)

```

-----
12  FILE ADISCTI
15  FILE ADISINSIGHT
14  FILE ADISNEWS
332 FILE AGRICOLA
199 FILE ANABSTR
1   FILE ANTE
1   FILE AQUALINE
43  FILE AQUASCI
168 FILE BIOENG
2690 FILE BIOSIS
229 FILE BIOTECHABS
229 FILE BIOTECHDS
908 FILE BIOTECHNO
1860 FILE CABA
5008 FILE CAPLUS
16  FILE CEABA-VTB
5   FILE CIN
27  FILE CONFSCI
1   FILE CROPB
7   FILE CROPU
270 FILE DDFB
345 FILE DDFU
181 FILE DISSABS
270 FILE DRUGB
661 FILE DRUGU
9   FILE EMBAL
2408 FILE EMBASE
1584 FILE ESBIODASE
```

72 FILE FROSTI  
 73 FILE FSTA  
 64 FILE GENBANK  
 7 FILE HEALSAFE  
 290 FILE IFIPAT  
 13 FILE IMSDRUGNEWS  
 1 FILE IMSPRODUCT  
 3 FILE IMSRESEARCH  
 5 FILE KOSMET  
 868 FILE LIFESCI  
 2489 FILE MEDLINE  
 36 FILE NTIS  
 15 FILE OCEAN  
 1648 FILE PASCAL  
 2 FILE PHAR  
 6 FILE PHARMAML  
 1 FILE PHIC  
 20 FILE PHIN  
 119 FILE PROMT  
 13 FILE PROUSDDR  
 1508 FILE SCISEARCH  
 1046 FILE TOXCENTER  
 16 FILE USGENE  
 2726 FILE USPATFULL  
 36 FILE USPATOLD  
 351 FILE USPAT2  
 3 FILE VETB  
 56 FILE VETU  
 2 FILE WATER  
 318 FILE WPIDS  
 9 FILE WPIFV  
 318 FILE WPINDEX

L3

QUE ABB=ON PLU=ON (PHENYLALANINE/BI OR B-PHENYL-A-  
 ALANINE/BI OR B-PHENYL-L-ALANINE/BI OR "(+)-B-PHEN  
 YL-A-ALANINE"/BI OR "(+)-PHENYLALANINE"/BI OR  
 "(+)-3-PHENYL-2-AMINOPROPANOIC ACID"/BI OR "(-)-PHENYLALANIN  
 E"/BI OR "(S)-A-AMINO-B-PHENYLPROPIONIC ACID"/BI OR  
 "(S)-A-AMINOBENZENEPROPANOIC ACID"/BI OR "(S)-A-AMI  
 NOHYDROCINNAMIC ACID"/BI OR "(S)-(-)-PHENYLALANINE"/BI OR  
 "(S)-PHENYLALANINE"/BI OR "(S)-2-AMINO-3-PHENYLPROPANOIC  
 ACID"/BI OR "(S)-2-AMINO-3-PHENYLPROPIONIC ACID"/BI OR  
 "(2S)-2-AMINO-3-PHENYLPROPANOIC ACID"/BI OR "ALANINE, B-PH  
 ENYL-"/BI OR "ANTIBIOTIC FN 1636"/BI OR "BENZENEPROPANOIC  
 ACID, A-AMINO-, (S)-"/BI OR "DL-A-AMINO-B-PHEN  
 YLPROPIONIC ACID"/BI OR DL-B-PHENYL-A-ALANINE/BI OR  
 DL-PHENYLALANINE/BI OR "DL-2-AMINO-3-PHENYLPROPIONIC ACID"/BI  
 OR DL-3-PHENYLALANINE/BI OR DLPA/BI OR "L-(-)-PHENYLALANINE"/BI  
 OR "L-ALANINE, 3-PHENYL-"/BI OR L-PHENYLALANINE/BI OR "NSC  
 79477"/BI OR "NSC 9959"/BI OR PHENYL-A-ALANINE/BI OR  
 10549-09-4/BI OR 150-30-1/BI OR "151: PN: US20070015162 SEQID:  
 161 CLAIMED PROTEIN"/BI OR "2-AMINO-3-PHENYLPROPANOIC ACID"/BI  
 OR 3-PHENYL-L-ALANINE/BI OR 3-PHENYLALANINE/BI OR "34: PN:  
 AU2005201745 SEQID: 22 CLAIMED SEQUENCE"/BI OR "356: PN:  
 US20070026454 SEQID: 366 CLAIMED PROTEIN"/BI OR 3617-44-5/BI  
 OR 5297-02-9/BI OR 63-91-2/BI OR 67675-33-6/BI OR 801204-11-5/B  
 I) (S) (BLOOD OR SERUM OR PLASMA)

-----  
 SEA L3 (S) (PHENYLALANINE (2A) DEHYDROGENASE)  
 -----

1 FILE AGRICOLA  
 18 FILE ANABSTR  
 1 FILE BIOENG  
 10 FILE BIOSIS  
 8 FILE BIOTECHABS

8 FILE BIOTECHDS  
 4 FILE BIOTECHNO  
 6 FILE CABA  
 34 FILE CAPLUS  
 1 FILE CEABA-VTB  
 1 FILE CIN  
 2 FILE DISSABS  
 8 FILE EMBASE  
 9 FILE ESBIODBASE  
 50 FILE GENBANK  
 1 FILE IFIPAT  
 3 FILE LIFESCI  
 6 FILE MEDLINE  
 9 FILE PASCAL  
 4 FILE PHIN  
 3 FILE PROMT  
 11 FILE SCISEARCH  
 1 FILE TOXCENTER  
 22 FILE USPATFULL  
 1 FILE USPAT2  
 5 FILE WPIDS  
 5 FILE WPINDEX

L4 QUE ABB=ON PLU=ON L3 (S) (PHENYLALANINE (2A) DEHYDROGENASE)

-----  
 D RANK

SEA L4 AND (COLORIMET### OR THIONINE OR (ROSE (2A) BENGAL) OR (

3 FILE ANABSTR  
 2 FILE BIOSIS  
 1 FILE BIOTECHNO  
 1 FILE CABA  
 11 FILE CAPLUS  
 3 FILE EMBASE  
 1 FILE ESBIODBASE  
 2 FILE GENBANK  
 1 FILE LIFESCI  
 2 FILE MEDLINE  
 2 FILE PASCAL  
 1 FILE PHIN  
 1 FILE PROMT  
 4 FILE SCISEARCH

SEA L4 AND (COLORIMET### OR THIONINE OR (ROSE (2A) BENGAL) OR (

3 FILE ANABSTR  
 2 FILE BIOSIS  
 1 FILE BIOTECHNO  
 1 FILE CABA  
 11 FILE CAPLUS  
 3 FILE EMBASE  
 1 FILE ESBIODBASE  
 2 FILE GENBANK  
 1 FILE LIFESCI  
 2 FILE MEDLINE  
 2 FILE PASCAL  
 1 FILE PHIN  
 1 FILE PROMT  
 4 FILE SCISEARCH  
 4 FILE USPATFULL  
 1 FILE WPIDS  
 1 FILE WPINDEX

L5 QUE ABB=ON PLU=ON L4 AND (COLORIMET### OR THIONINE OR (ROSE (2A) BENGAL) OR (METHYLENE (2A) BLUE) OR AZURE OR TETRAZOLIUM)

-----  
D RANK

FILE 'CAPLUS, SCISEARCH, USPATFULL, ANABSTR, EMBASE, BIOSIS, MEDLINE,  
PASCAL, BIOTECHNO, CABA, ESBIODASE, LIFESCI, PHIN, PROMT, WPIDS' ENTERED  
AT 11:32:05 ON 08 JAN 2008

L6	38 SEA ABB=ON	PLU=ON	L5
L7	21 DUP REM L6	(17 DUPLICATES REMOVED)	
L8	17 SEA ABB=ON	PLU=ON	L7 NOT PY>2004
	D L8 IBIB ABS 1-17		

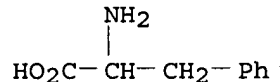
L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 69403-12-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Dehydrogenase, phenylalanine (CA INDEX NAME)  
OTHER NAMES:  
CN E.C. 1.4.1.20  
CN L-Phenylalanine dehydrogenase  
CN Phenylalanine dehydrogenase  
MF Unspecified  
CI MAN  
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS,  
CHEMINFORMRX, CIN, CSCHEM, MSDS-OHS, PROMT, TOXCENTER, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

181 REFERENCES IN FILE CA (1907 TO DATE)  
13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
182 REFERENCES IN FILE CAPLUS (1907 TO DATE)

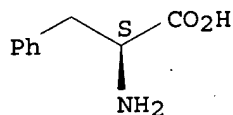
ANSWER 1 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN

RN 150-30-1 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenylalanine (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Alanine,  $\beta$ -phenyl- (3CI)  
 CN Alanine, phenyl-, DL- (8CI)  
 CN DL-Phenylalanine  
 OTHER NAMES:  
 CN ( $\pm$ )- $\beta$ -Phenyl- $\alpha$ -alanine  
 CN ( $\pm$ )-3-Phenyl-2-aminopropanoic acid  
 CN ( $\pm$ )-Phenylalanine  
 CN 2-Amino-3-phenylpropanoic acid  
 CN DL- $\alpha$ -Amino- $\beta$ -phenylpropionic acid  
 CN DL- $\beta$ -Phenyl- $\alpha$ -alanine  
 CN DL-2-Amino-3-phenylpropionic acid  
 CN DL-3-Phenylalanine  
 CN DLPA  
 CN NSC 9959  
 MF C9 H11 N O2  
 CI COM  
 SR CA  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM\*, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PIRA, PROMT, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, USPATOLD  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 63-91-2 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN L-Phenylalanine (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Alanine, phenyl-, L- (4CI, 7CI, 8CI)  
 OTHER NAMES:  
 CN (-)-Phenylalanine  
 CN (2S)-2-Amino-3-phenylpropanoic acid  
 CN (S)-(-)-Phenylalanine  
 CN (S)- $\alpha$ -Amino- $\beta$ -phenylpropionic acid  
 CN (S)- $\alpha$ -Aminobenzenepropanoic acid  
 CN (S)- $\alpha$ -Aminohydrocinnamic acid  
 CN (S)-2-Amino-3-phenylpropanoic acid  
 CN (S)-2-Amino-3-phenylpropionic acid  
 CN (S)-Phenylalanine  
 CN  $\beta$ -Phenyl- $\alpha$ -alanine  
 CN  $\beta$ -Phenyl-L-alanine  
 CN 151: PN: US20070015162 SEQID: 161 claimed protein  
 CN 3-Phenyl-L-alanine  
 CN 3-Phenylalanine  
 CN 34: PN: AU2005201745 SEQID: 22 claimed sequence  
 CN 356: PN: US20070026454 SEQID: 366 claimed protein  
 CN Antibiotic FN 1636  
 CN Benzenepropanoic acid,  $\alpha$ -amino-, (S)-  
 CN L-(-)-Phenylalanine  
 CN L-Alanine, 3-phenyl-  
 CN NSC 79477  
 CN Phenyl- $\alpha$ -alanine  
 CN Phenylalanine  
 FS STEREOSEARCH  
 DR 801204-11-5, 10549-09-4, 3617-44-5, 67675-33-6, 5297-02-9  
 MF C9 H11 N O2  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO,  
 CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,  
 CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, GMELIN\*,  
 HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT,  
 PATDPASPC, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER,  
 TULSA, ULIDAT, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (-).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

41107 REFERENCES IN FILE CA (1907 TO DATE)  
 1282 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 41198 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)